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# Annual Report

OF THE

## MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1940

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URBAN DISTRICT OF RIPLEY

# Annual Report

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MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1940

*Ripley Printing Society Ltd., "Gazette" Office, Ripley.*

# URBAN DISTRICT OF RIPLEY

# ANNUAL REPORT

OF THE

## MEDICAL OFFICER OF HEALTH
### FOR THE YEAR 1940

Medical Officer of Health : DR. R. A. RYAN, L.R.C.S. & P.I.

Sanitary Inspector : W. E. CLARK, P.A.S.I., A.R.San.I.

To the Chairman and Members of the
Ripley Urban District Council.

I have the honour of submitting to you my Annual Report for the year 1940 which has been drawn up on the lines indicated in the Ministry of Health Circulars 1961 and 2067.

The Ministry suggest that in view of the increasing pressure of work in the Public Health Department of Local Authorities, the report for this year should be shortened and confined to essentials only.

It is very essential that some provision should be made for abnormal maternity cases in this district. Owing to the blackout conditions, delay occurs in the transfer of an emergency to Derby, and it can be appreciated that in such cases a delay is liable to endanger life.

I have to again draw your attention to the considerable number of Pail Closets, Privies and Ashpits in the District. The presence of these accumulations of filth in a community are in many cases the source of disease, and I would suggest that wherever possible and material will allow, energetic steps should be taken to remove this menace to public health.

I am, Ladies and Gentlemen,

Your obedient Servant,

R. A. RYAN,
Medical Officer of Health.

Derbyshire

## A.—STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area : 5,411.00 acres, of which there are 20 acres under water.

Registrar-General's estimate of resident population, mid 1940 : 17,420.

Average population appropriate to the calculation of death rates : 17,446.

Number of Inhabited Houses, end of 1940 : 4,890.

Rateable Value :—

| | £ | s. | d. |
|---|---|---|---|
| Central Ward, Hartshay, Marehay and Waingroves ... ... ... ... ... | 65578 | 0 | 0 |
| Butterley Park Ward ... ... ... ... | 752 | 0 | 0 |
| Heage and Ambergate ... ... ... ... | 14829 | 0 | 0 |
| Southern Portion of Crich ... ... ... | 2164 | 0 | 0 |
| Total ... ... ... ... | £83323 | 0 | 0 |

Gross Sum represented by a One-penny Rate :—

| | £ | s. | d. |
|---|---|---|---|
| Central Ward, Hartshay, Marehay, Waingroves, Heage, Ambergate, and Southern Portion of Crich ... ... ... ... ... ... | 344 | 1 | 0 |
| Butterley Park Ward ... ... ... ... | 3 | 2 | 8 |
| Total ... ... ... ... | £347 | 3 | 8 |

This district, which has coal mining as one of its chief industries, has a small number of unemployed, but during the year the number has steadily decreased.

Other industries include Engineering Works, Agricultural Implement Works, Dye Works, Refractories, Brickworks and Lime Works. Factories in the area employ mainly female labour, manufacture hair and fibre cloths, candle-wicks, and plaited lace, etc. None of these industries are prejudicial to health.

## EXTRACT FROM VITAL STATISTICS OF THE YEAR

Live Births :—

| | Total. | M. | F. |
|---|---|---|---|
| Legitimate ... ... ... | 249 | 124 | 125 |
| Illegitimate ... ... ... | 6 | 2 | 4 |

Birth Rate per 1,000 estimated resident population, mid 1940 : 15.95. (The Registrar General gives the birth rate for England and Wales as 14.6).

Still Births :—

| | Total. | M. | F. |
|---|---|---|---|
| Legitimate ... ... ... ... | 11 | 8 | 3 |
| Illegitimate ... ... ... ... | — | — | — |

Rate per 1,000 total (live and still) Births : 16.64.

| | Total. | M. | F. |
|---|---|---|---|
| Deaths ... ... ... ... | 202 | 113 | 89 |

Death Rate per 1,000 estimated average population : 12.64.

(The Registrar General gives the Death Rate for England and Wales as 14.3).

There were no deaths from puerperal causes during the year.

Death Rate of Infants under one year of age :—

| | |
|---|---|
| All Infants per 1,000 live births ... ... ... ... | 26.04 |
| Legitimate Infants per 1,000 legitimate live births... | 30.64 |
| Illegitimate Infants per 1,000 illegitimate live births | 181.2 |
| Deaths from Cancer (all ages) ... ... ... ... ... | 27 |
| Deaths from Measles (all ages) ... ... ... ... | 1 |
| Deaths from Whooping Cough (all ages) ... ... ... | Nil |
| Deaths from Diarrhoea (under 2 years of age) ... ... | Nil |

There were no causes of sickness or invalidity which were specially noteworthy during the year due to conditions of occupation or environment.

## B.—GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Public Health Officers of the Local Authority :

Medical Officer of Health : Dr. R. A. RYAN, L.R.C.S. & P.I.

Sanitary Inspector : W. E. CLARK, P.A.S.I., A.R.San.I.

### (a) Laboratory Facilities

Examination of clinical material, water, etc., is carried out by the County Analyst and Bacteriological Department.

Herewith Bacteriological examinations carried out during the year 1940 :—

| Enteric :— | Pos. | Neg. | Total |
|---|---|---|---|
| Typhoid and Paratyphoid A. and B. ... | — | — | — |
| Gaertner, Dysentery, etc. ... ... ... | — | — | — |
| Diphtheria ... ... ... ... ... ... | 23 | 83 | 106 |
| Phthisis ... ... ... ... ... ... | 4 | 26 | 30 |
| Milk for Tubercle Bacilli, inoculation test, Routine ... ... ... ... ... ... | — | 1 | 1 |
| Water ... ... ... ... ... ... | — | — | — |
| Miscellaneous ... ... ... ... ... | — | 2 | 2 |
| | 27 | 112 | 139 |

### (b) Ambulance Facilities.

An ambulance for infectious cases is provided by the Belper Isolation Hospital.

For non-infectious cases the Council's ambulance is available free of charge.

No special provision is made for maternity patients.

### (c) Nursing in the Home.

There are two full-time County Midwives whose services are available in the District. The District Nursing Association have one nurse.

### (d) Treatment Centres and Clinics.

ANTE-NATAL CLINIC.—This work is still carried out at the Ripley Hospital.

INFANT WELFARE CENTRES.—The two Infant Welfare Centres at the Outram Street Old Schools and the Bethel Chapel, Derby Road, are still in operation.

SCHOOL CLINIC.—Medical Inspection of the School children is carried out by the School Medical Officers under the control of the County Council.

TUBERCULOSIS CLINIC.—Cases of tuberculosis from this area are put under the medical supervision of the County Council Tuberculosis Officer, Dr. W. H. Morton, at the Tuberculosis Dispensary, Grange Street, Alfreton, which is open from 11.0 a.m. to 1.0 p.m. and 2 p.m. to 4 p.m. on Friday. Facilities are also available for radiographic examination to be carried out at the Tuberculosis Department, County Offices, Derby.

VENEREAL DISEASE.—The centre for the treatment of Venereal Disease in this area is the Derbyshire Royal Infirmary. The following table shows the days and hours at which the V.D. Clinic is open :

| Males. | Females. |
|---|---|
| Monday, 6 p.m. | Monday, 3 p.m. |
| Wednesday, 6 p.m. | Thursday, 6 p.m. |
| Saturday, 11.30 a.m. | |

### (e) Hospitals.

We are still without a Maternity Home in the District, but during the War period a ward at the Ripley Hospital with at least two beds for emergency maternity cases would be most desirable.

## C.—SANITARY CIRCUMSTANCES OF THE AREA.

1.—(i) **Water.** During the year the Council have maintained their service mains so as to ensure an adequate water supply, and from time to time in the future remove and extend the mains as occasion demands.

(ii.) **Drainage and Sewerage.** The Council have not, at the request of the Ministry of Health, undertaken any extension or improvement work at the Disposal Works. The Works are operating under difficulties, but a satisfactory outfall is being maintained.

2.—(i.)—**Closet Accommodation.** Closets converted during the year were : Pails, 8 ; Privies, Nil.

Total number of conversions since the scheme was commenced : Pails, 936 ; Privies, 216 ; Slop Water Closets, 3.

The following figures show the approximate closet accommodation in the district at the 31st December, 1940 :—

| | |
|---|---|
| Pail Closets ... ... ... ... ... | 982 |
| Privy Closets ... ... ... ... ... | 78 |
| Water Closets ... ... ... ... ... | 3890 |
| Trough and Slop Water Closets ... ... | Nil |
| | 4950 |

(ii.) **Public Cleansing.**—During the year an additional 30-cwt. lorry was purchased, bringing the number of vehicles to four. The Council have continued to collect salvage during 1940 with satisfactory results.

Routine inspections under the Factories Act, 1937, have been carried out during the year.

## (iii.) SANITARY INSPECTION OF THE AREA.

Inspector : W. E. Clark, P.A.S.I., A.R.San. In.

Area of District : 5,411 acres.

Estimated Number of Houses : 4,890.

New Houses erected 1940 :—

(a) By Local Authority, Nil.
(b) By Private Enterprise, 13.

| | No. of Inspections made by Sanitary Inspector. | No. of. Notices Served. Informal. | Legal. | No. of Nuisances abated with or without Notice. |
|---|---|---|---|---|
| **Closets and Ashpits :—** | | | | |
| Defective Privies, Pail Closets, and Ashpits | 6 | 4 | — | 2 |
| Conversion of Privies into W.C.s | — | — | — | — |
| Conversion of Pail Closets into W.C.s... | 32 | 4 | 6 | 8 |
| Conversion of Privies into Pail Closets | — | — | — | — |
| Defective Water Closets | 26 | 17 | — | 13 |
| Provision of Additional Water Closets . | 1 | — | — | 1 |
| Provision of Portable Ashbins | 45 | 7 | — | 13 |
| Dirty Closets | — | — | — | — |
| **Drainage :—** | | | | |
| No Disconnection of Waste Pipe | — | — | — | — |
| Defective Waste Pipe, Traps, Inlets and Drains | 4 | 2 | — | 2 |
| Drains obstructed | 35 | 21 | — | 26 |
| **Other Defects :—** | | | | |
| Paving of Courts and Yards | 8 | 3 | — | 3 |
| Roofs, Eaves-spouts and Down-spouts . | 36 | 16 | — | 15 |
| Sinks | 26 | 6 | — | 10 |
| Insufficient Ventilation | 1 | 1 | — | — |
| Windows | 8 | 4 | — | 3 |
| Dampness | 20 | 9 | — | 7 |
| Water in Cellars | 1 | 1 | — | 2 |
| Water Supply | 16 | 3 | — | 2 |
| Overcrowding | 31 | 1 | — | — |
| Foul Condition of Houses | — | — | — | 1 |
| Offensive Accumulations | 7 | — | — | 5 |
| Animals improperly kept | — | — | — | — |
| Pigsties | — | — | — | — |
| Smoke Nuisances | 3 | 5 | — | 2 |
| Urinals | — | — | — | — |
| Nuisances not Specified above | 49 | 17 | — | 41 |
| | 355 | 121 | 6 | 156 |

| | No. on Register. | Inspections Made. | Notices Served | Nuisances abated with or without Notice. |
|---|---|---|---|---|
| Dairies, Cowsheds and Milkshops... | 69 | 25 | 7 | 7 |
| Bakehouses ..... | 9 | 12 | — | 2 |
| Slaughterhouses ..... | 21 | 35 | — | — |
| Offensive Trades ..... | 1 | 1 | — | — |
| Common Lodging Houses ..... | 1 | 3 | — | — |
| | 101 | 76 | 7 | 9 |

## D.—HOUSING STATISTICS.

It will be understood that the usual Housing Statistics are not available under the present conditions.

## E.—INSPECTION AND SUPERVISION OF FOOD.

**(a) Milk Supply.**—Inspection has shown that the conditions are satisfactory at the milk producing farms in the area. Pasteurised Milk as produced by the Co-operative Society has maintained its high standard.

**(b) Meat and Other Foods.**—Routine inspection was carried out during the year, and only a few cases for condemnation have arisen.

## F.—PREVALENCE OF, AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

The Scheme for immunisation against Diphtheria was still being carried out during 1940. The incidence of Scarlet Fever and Diphtheria has been normal, and the accommodation available at the Belper Isolation Hospital has been adequate.

## NOTIFIABLE DISEASE (OTHER THAN TUBERCULOSIS) DURING THE YEAR 1940.

| | Total Cases Notified. | Cases Admitted to Hospital. | Total Deaths |
|---|---|---|---|
| Smallpox | — | — | — |
| Scarlet Fever | 24 | 18 | — |
| Diphtheria | 46 | 43 | 6 |
| Enteric Fever (including Paratyphoid) | 1 | 1 | — |
| Puerperal Pyrexia | — | — | — |
| Pneumonia | 27 | 9 | — |
| Other Diseases generally notified :— | | | |
| Erysipelas | 8 | — | — |
| Acute Polio-Myletis | — | — | — |
| Ophthalmia Neonatorum | — | — | — |
| Cerebro Spinal Fever | 2 | 2 | — |
| Measles | 651 | — | 1 |
| Whooping Cough | 33 | — | — |
| Other Diseases | 2 | 2 | — |
| | 794 | 75 | 7 |

## MEASLES.

This disease goes in waves in Urban Districts and about every 4 to 6 years assumes greater proportions when another batch of children reach the susceptible age. I am pleased to report that the infection was very mild, and only one death occurred.

This disease was not made notifiable until the commencement of the War.

The following table gives an analysis of the total notified cases in age groups :—

| Disease. | Under 1 Year | 1- | 2- | 3- | 4- | 5- | 10- | 15- | 20- | 35- | 45- | 65- | Ttl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Smallpox | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Scarlet Fever | — | — | 3 | — | 1 | 11 | 6 | 2 | 1 | — | — | — | 24 |
| Diphtheria | — | — | — | 2 | 2 | 25 | 10 | 2 | 5 | — | — | — | 46 |
| Enteric Fever (including Paratyphoid) | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 |
| Puerperal Pyrexia | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pneumonia | 2 | 2 | 1 | 1 | 1 | 1 | 4 | — | 1 | 5 | 2 | 7 | 27 |
| Anthrax | — | — | — | — | — | — | — | 1 | — | — | — | — | 1 |
| Pulmonary Tuberculosis | — | — | — | — | — | — | — | 1 | 1 | 5 | 1 | 3 | 11 |
| Whooping Cough | 3 | 1 | 6 | 3 | 1 | 9 | 9 | — | — | — | — | — | 32 |
| Erysipelas | — | — | — | — | — | — | — | 1 | — | 1 | — | 5 | 7 |
| Cerebro Spinal Fever | — | — | — | — | — | — | — | 1 | 1 | — | — | — | 2 |

## TUBERCULOSIS. NEW CASES AND MORTALITY DURING 1940.

| Age. Periods. | New Cases. Pulmonary. M. | New Cases. Pulmonary. F. | New Cases. Non-pulmonary. M. | New Cases. Non-pulmonary. F. | Deaths Pulmonary. M. | Deaths Pulmonary. F. | Deaths Non-pulmonary. M. | Deaths Non-pulmonary. F. |
|---|---|---|---|---|---|---|---|---|
| 0 ..... | — | — | — | — | — | — | — | — |
| 1 ..... | — | — | — | — | — | — | — | — |
| 5 ..... | — | — | — | — | — | — | — | — |
| 15 ..... | — | — | — | 1 | — | — | — | — |
| 25 ..... | 1 | 1 | — | — | — | 2 | — | — |
| 35 ..... | 1 | 2 | 1 | — | — | 2 | — | — |
| 45 ..... | — | — | — | 1 | — | — | — | — |
| 55 ..... | — | — | — | — | — | — | — | — |
| 65 and upwards | 2 | 1 | — | — | 1 | 1 | — | — |
| Total ..... | 4 | 4 | 1 | 2 | 1 | 5 | — | — |

## TUBERCULOSIS REGISTER.

The following are the number of cases remaining on the Register at the end of 1940 : Pulmonary—Males, 24 ; Females, 16; Total, 40. Non-Pulmonary—Males, 15 ; Females, 13 ; Total, 28.

Total Pulmonary and Non-Pulmonary : 68.

# RIPLEY URBAN DISTRICT

## CAUSES OF DEATH

Population ..... 17,520

| Causes of Death. | M. | F. |
|---|---|---|
| All Causes ... ... ... ... ... ... | 113 | 89 |
| 1.—Typhoid and Paratyphoid Fever ... ... ... | — | — |
| 2.—Measles ... ... ... ... ... ... ... | — | 1 |
| 3.—Scarlet Fever ... ... ... ... ... ... | — | — |
| 4.—Whooping Cough ... ... ... ... ... | — | — |
| 5.—Diphtheria ... ... ... ... ... ... | 1 | 5 |
| 6.—Influenza ... ... ... ... ... ... ... | 2 | 3 |
| 7.—Encephalitis Lethargica ... ... ... ... | — | — |
| 8.—Cerebro Spinal Fever ... ... ... ... ... | — | — |

| Causes of Death. | M. | F. |
|---|---|---|
| 9.—Respiratory Tuberculosis ... ... ... ... | 1 | 5 |
| 10.—Other Tuberculosis ... ... ... ... ... | — | — |
| 11.—Syphilis ... ... ... ... ... ... ... | 1 | — |
| 12.—General Paralysis of Insane, etc. ... ... ... | — | — |
| 13.—Cancer ... ... ... ... ... ... ... | 15 | 12 |
| 14.—Diabetes ... ... ... ... ... ... ... | 2 | 2 |
| 15.—Cerebral Haemorrhage ... ... ... ... | — | — |
| 16.—Heart Disease ... ... ... ... ... ... | 22 | 12 |
| 17.—Intracan Vascelesions ... ... ... ... ... | 13 | 5 |
| 18.—Other Circulatory Diseases ... ... ... ... | 1 | 1 |
| 19.—Bronchitis ... ... ... ... ... ... | 10 | 8 |
| 20.—Pneumonia (all forms) ... ... ... ... | 2 | 5 |
| 21.—Other Respiratory Diseases ... ... ... ... | 5 | 3 |
| 22.—Peptic Ulcer ... ... ... ... ... ... | — | 2 |
| 23.—Diarrhoea (under 2 years) ... ... ... ... | — | — |
| 24.—Appendicitis ... ... ... ... ... ... | — | 1 |
| 25.—Cirrhosis of Liver ... ... ... ... ... | — | — |
| 26.—Other Liver Diseases ... ... ... ... ... | — | — |
| 27.—Other Digestive Diseases ... ... ... ... | 1 | 2 |
| 28.—Acute and Chronic Nephritis ... ... ... | 5 | 2 |
| 29.—Puerperal Sepsis ... ... ... ... ... | — | — |
| 30.—Other Maternal Causes ... ... ... ... | — | 2 |
| 31.—Congenital Causes ... ... ... ... ... | 3 | 1 |
| 32.—Senility ... ... ... ... ... ... ... | — | — |
| 33.—Suicide ... ... ... ... ... ... ... | 1 | 1 |
| 34.—Other Violence ... ... ... ... ... | 8 | 1 |
| 35.—Other Causes ... ... ... ... ... ... | 17 | 12 |
| 36.—Road Accidents ... ... ... ... ... ... | 2 | 2 |
| Special Causes (included in No. 35 above)— | | |
| Small Pox ... ... ... ... ... ... | — | — |
| Polio Myletis ... ... ... ... ... ... | — | — |
| Polio Encephalitis ... ... ... ... ... | — | — |
| Deaths of Infants under one year— | | |
| Total ... ... ... ... ... ... ... | 4 | 4 |
| Legitimate ... ... ... ... ... ... | 3 | 4 |
| Illegitimate ... ... ... ... ... ... | 1 | — |
| Live Births— | | |
| Total ... ... ... ... ... ... ... | 126 | 129 |
| Legitimate ... ... ... ... ... ... | 124 | 125 |
| Illegitimate ... ... ... ... ... ... | 2 | 4 |
| Still Births— | | |
| Total ... ... ... ... ... ... ... | 8 | 3 |
| Legitimate ... ... ... ... ... ... | 8 | 3 |
| Illegitimate ... ... ... ... ... ... | — | — |